

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of: Liu, et al.

Attorney Docket No.: CISC276/5171

Application No.: 10/034,057

Examiner: To Be Assigned

Filed: December 27, 2001

Group: Unknown

Title: EFFICIENT AVAILABLE BANDWIDTH
USAGE IN TRANSMISSION OF COMPRESSED
VIDEO DATA

RECEIVED

MAR 01 2002

Technology Center 2600

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First-Class Mail to: Commissioner for Patents, Washington, DC 20231 on February 4, 2002.

Signed: _____

Deborah Neill

INFORMATION DISCLOSURE STATEMENT
37 CFR §§1.56 AND 1.97(b)

Commissioner for Patents
Washington, DC 20231

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

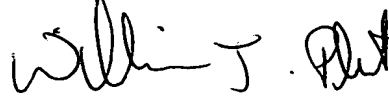
This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is

believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. CISCP276).

Respectfully submitted,

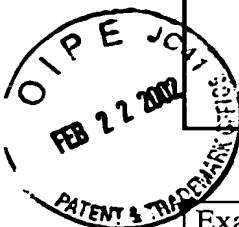
BEYER WEAVER & THOMAS, LLP

A handwritten signature in black ink, appearing to read "William J. Plut".

William J. Plut

Limited Recognition Under 37 C.F.R. § 10.9(b)

P.O. Box 778
Berkeley, CA 94704-0778
(510) 843-6200



| | | |
|--|---|--|
| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty Docket No. CISCP276/5171 Applicant: Liu, et al. Filing Date December 27, 2001 | Application No.: 10/034,057 Group Unknown |
| | <div style="text-align: right;"> RECEIVED MAR 01 2002 Technology Center 2600 </div> | |

U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|------------------|-----|------------|----------|-----------------|-------|-----------|-------------|
| | A | 5,861,919 | 01/19/99 | Perkins, et al. | | | 11/10/97 |
| | B | 5,862,140 | 01/19/99 | Shen, et al. | | | 11/21/95 |
| | C | 6,181,711 | 01/30/01 | Zhang, et al. | | | 10/10/97 |
| | D | 6,192,083 | 02/20/01 | Linzer, et al. | | | 07/11/00 |

Foreign Patent or Published Foreign Patent Application

| Examiner Initial | No. | Document No. | Publication Date | Country or Patent Office | Class | Sub-class | Translation | |
|------------------|-----|--------------|------------------|--------------------------|-------|-----------|-------------|----|
| | | | | | | | Yes | No |
| | E | | | | | | | |

Other Documents

| Examiner Initial | No. | Author, Title, Date, Place (e.g. Journal) of Publication |
|------------------|-----|---|
| | F | Zhang, et al., "Methods And Apparatus For Efficient Scheduling And Multiplexing", U.S. Patent Application No. 09/684,623, filed October 5, 2000, 62 pages. |
| | G | Huifang Sun, et al., <i>Architectures for MPEG Compressed Bitstream Scaling</i> , IEEE Transactions on Circuits and Systems for Video Technology, Vol: 6, No. 2, April 1996, pp. 191-199. |
| | H | Wei Ding, <i>Joint Encoder and Channel Rate Control of VBR Video over ATM Networks</i> , IEE Transactions on Circuits and Systems for Video Technology, Vol. 7, No. 2, April 1997, pp. 266-278. |
| | I | ISO/IEP <i>Information Technology-Generic Coding Of Moving Pictures And Associated Audio: Systems</i> , ISO/IEC 13818-1, Nov. 13, 1994, 135 pages. |
| | J | ISO/IEP <i>Information Technology-Generic Coding Of Moving Pictures And Associated Audio Information: Video</i> , ISO/IEC 13818-2, 1995, 209 pages. |
| Examiner | | Date Considered |

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE
UNITED STATES PATENT AND TRADEMARK OFFICE**

LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)

William Plut is hereby given limited recognition under 37 CFR § 10.9(b) as an employee of the Beyer, Weaver, and Thomas, LLP law firm to prepare and prosecute patent applications wherein the patent applicant is the client of the Beyer, Weaver, and Thomas, LLP law firm, and the attorney or agent of record in the applications is a registered practitioner who is a member of the Beyer, Weaver, and Thomas, LLP law firm. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) William Plut ceases to lawfully reside in the United States, (ii) William Plut's employment with the Beyer, Weaver, and Thomas, LLP law firm ceases or is terminated, or (iii) William Plut ceases to remain or reside in the United States on an TN visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the United States Patent and Trademark Office.

Expires: June 10, 2002



William J. Griffin, Acting Director
Office of Enrollment and Discipline